CONTENTS

NUMBER 1, JULY, 1985

- 1 ARE MODIFICATIONS NECESSARY IN THE PERFORM. ANCE OF PUR MONARY ANGIOGRAMS? LeRoi Price: Marvin Dunn, Kansas City, Kans
- 2 NUTRITIONAL SUPPORT: WHETHER OR NOT SOME IS GOOD, MORE IS NOT BETTER Ronald L. Koretz, Van Nuvs, Californ
- 3 ARTERIAL BLOOD GAS MEASUREMENT Nausher K. Burki, Lexington, Kentucki
- 4 PERSISTENCE OF PNEUMOCYSTIS Walter T. Huches, Memphis
- 5 THE PHYSICIAN'S PRIMARY ROLE Gerald L. Baum. Tel-Hashomer, Israel
- 6 ENDODERMAL SINUS TUMORS Christopher J. Logothetis, Houston
- 8 INTRODUCING NEW MEMBERS OF THE EDITORIAL
- 9 OXYHEMOGLOBIN SATURATION DURING SLEEP IN SUBJECTS WITH AND WITHOUT THE OBESITY-HYPO-VENTU ATION SYNDROME
- James B. Jones; Stephen C. Wilholt; Larry J. Findley; Paul M. Suratt, Charlottesville
- 16 PERIODIC BREATHING TRIGGERED BY HYPOXIA IN NORMAL AWAKE ADULTS; MODIFICATION BY NALOX-
- Teivir S. Chadha: Stephen Birch: Marvin A. Sackner, Mia
- 24 NEBULIZED IPRATROPIUM IN THE TREATMENT OF ACUTE ASTHMA
- Devid H. Bryant, Sydney, Australia 30 COMPARISON OF EFFECTIVENESS AND SAFETY OF OPERATIONS ON THE PERICARDIUM
- George M. Palatianos; Richard J. Thurer; Gerard A. Kaiser,
- 34 RIGHT VENTRICULAR VOLUMES BY THERMODILU-TION IN THE ADULT RESPIRATORY DISTRESS SYN-DOME
 - François Jardin: Pascal Gueret: Oliver Dubourg: Jean-Christian Farcot; André Margairaz; Jean-Pierre Bourdaries. Boulogne, France
- 40 LEFT VENTRICULAR THROMBOSIS, WALL MOTION AR-NORMALITIES AND BLOOD VISCOSITY CHANGES AFTER FIRST TRANSMURAL ANTERIOR MYOCARDIAL INFARCTION
- Sudhir K. Bhatnagar; Aranka Hudak; Abdul Razzak Ai-Vunud Kuwnit
- 45 PLILMONARY INVOLVEMENT IN MIXED CONNECTIVE TISSUE DISEASE
- S. S. Derderian: C. J. Tellis: P. H. Abbrecht: R. C. Welton: K. R. Rajagopal, Washington, D.C. and Bethesda
- 49 TRANSBRONCHIAL NEEDLE ASPIRATION IN THE DIAG-NOSIS OF SUBMUCOSAL AND PERIBRONCHIAL BRON-CHOGENIC CARCINOMA Deborah Shure; Peter F. Fedullo, San Diego
- 52 IS THE MVV:FEV, RATIO USEFUL FOR ASSESSING SPIROMETRY VALIDITY? Philip Harber; Karen SooHoo; Donald P. Tashkin, Los
- 58 ADULT BRONCHIOLITIS; EVALUATION BY BRON-CHOALVEOLAR LAVAGE AND RESPONSE TO PRED-NISONE THERAPY
- Paul M. Dorinsky; W. Bruce Davis; Joel G. Lucas; Jeffrey E. Weiland; James E. Gadek, Columbus, Ohio 84 SUCCESSFUL TREATMENT OF MEDIASTINAL GERM
- CELL'ENDODERMAL SINUS TUMORS Nicholas J. Vogelzang; Robert W. Anderson; B. J. Kennedy,
- 70 CARDIAC TAMPONADE AS THE INITIAL PRESENTATION

161 TRANSBRONCHIAL NEEDLE ASPIRATION: IS IT COM-

Mark O. Farber; Felice Manfredi; Glenn D. Moak: Edward M.

162 CHEST CT IN THE STAGING OF LUNG CANCER

Cockerill: Peter B. Yaw, Indianapolis

ING OF AGE?

Paul A Kyale Detroit

- OF MALIGNANCY
- Richard J. Haskell: William J. French, Torrance, California 74 COMPARATIVE MODIFICATION OF ANTIGEN INDUCED BRONCHOCONSTRICTION BY THE CALCIUM ANTAG-ONISTS, NIFEDIPINE AND VERAPAMIL
- Erich W. Russi; Ignacio Danta; Tahir Ahmed, Miami Eeach 79 PERSISTENCE OF PNEUMOCYSTIS CARINII PNEUL MONIA IN THE ACQUIRED IMMUNODEFICIENCY SYN-DOME
- Lawrence J. DeLorenzo; George P. Maguire; Gary P. Wormser: Marianna M. Davidian: Daniel J. Stone, Velhalla, New
- 84 SENSITIVITY, SPECIFICITY, AND PREDICTIVE VALUES OF BRONCHOSCOPY IN NEOPLASM METASTATIC TO LUNG
- Robert H. Poe: Carlos Ortiz: Robert H. Israel: Metthew G. Marin: Raman Cazi: Robert C. Dalee: Donald G. Greenblatt. Rochester, New York
- 89 CHARACTERISTICS AND PROGNOSTIC VALUE OF MORNING DIPPING OF PEAK EXPIRATORY FLOW RATE IN STABLE ASTHMATIC SUBJECTS
- Vincenzo Bellia; Fabio Cibella; Giovanni Migilara; Giuseppe Peralta; Giovanni Bonsignore, Palermo, Italy 94 HYPERTROPHIC PULMONARY OSTEGARTHROPATHY
- IN FOUR PATIENTS WITH INTERSTITIAL PULMONARY
- B. Galko; R. F. Grossman; A. Day; J. Tenenbaum; J. Kirsh; A. S. Rebuck, Toronto, Canada
- 98 BAROTRAUMA AND HYPOTENSION RESULTING FROM JET VENTILATION IN CRITICALLY ILL PATIENTS Andrew Egol; Judith A. Culpepper; James V. Snyder, Pittsburgh
- 103 CHEMOTHERAPY-INDUCED EOSINOPHILIC PNEU-MONIA; RELATION TO BLEOMYCIN Samuel A. Yousem: Jeffrey D. Lifson: Thomas V. Colby.
- Stanford and Salt Lake City 107 EJECTION FRACTION AND HEART RATE CORRELATE WITH DIASTOLIC PEAK FILLING RATE AT REST AND
- DURING EXERCISE Jesus A. Bianco; Allen W. Filiberti; Staphen P. Baker; Michael A. King; Leo A. Nelivaiks; Deniel Leahey; Paul W. Doherty: Joseph S. Alpert, Worcester, MA
- 114 ANTIGEN-INDUCED ENHANCEMENT OF BRONCHIAL REACTIVITY
- Shinmo Bar-Sela: Donald P. Schluster: See-Ruem Kitt: Abe J. Sosman: Jordan N. Fink, Milwaukee
- 117 SOLITARY CYSTIC SCHWANNOMA Kevin G. Kraal; Kenneth G. Torrington, Boise
- 119 DEXTROCARDIA WITH MYOCARDIAL INFARCTION A. Dubb; L. Schamroth, Johannesburg, South Africa
- 121 TREATMENT OF VENTRICULAR ARRHYTHMIA; APPLI-CATIONS AND LIMITATIONS OF NONINVASIVE VS IN-VASIVE APPROACH
- Philip J. Podrid, Bosto
- 129 PLEURO-PULMONARY MANIFESTATIONS OF SYS-TEMIC LUPUS ERYTHEMATOSUS: CLINICAL FEA-TURES OF ITS SUBGROUPS
- Amos Pines; Naomi Kaplinsky; David Olchovsky; Judith Rosenman; Otto Frankl, Tel-Aviv, Israel
- 136 SUMMARY AND RECOMMENDATIONS OF A WORK-SHOP ON THE INVESTIGATIVE USE OF FIBEROPTIC BRONCHOSCOPY AND BRONCHOALVEOLAR LAVAGE IN ASTHMATIC PATIENTS
- 139 FALSE NEGATIVE ANGIOGRAM IN PULMONARY EMBO-LISM
- LeRoi Price, Kansas City, Kansas 141 HYPERCAPNIA DURING WEANING: A COMPLICATION

- OF NUTRITIONAL SUPPORT
- Diena S. Dark; Suean K. Pingleton; Gerald R. Kerby, Kannas City, Kansas
- 143 AMIODARONE PULMONARY TOXICITY
 - Carl G. Standertskjold-Nordenstam; John C. Wandtka; William B. Hood, Jr; Frederick T. Zugibe; Laura Buller, Brohester New York
- 145 RAPID DEVELOPMENT OF OBSTRUCTIVE SLEEP APNEA FOLLOWING HEMIDIAPHRAGMATIC AND LINE LATERAL VOCAL CORD PARALYSIS AS A COMPLICA-TION OF MEDIASTINAL SURGERY
- V. Hoffstein; R. Taylor, Toronto, Canada 147 ACUTE MYDCARDIAL INFARCTION ARSOCIATED WITH SYSTEMIC LUPUS ERYTHEMATOSUS DOCUMENTED BY CORONARY ARTERIOGRAMS
- Yoshiki Takatsu; Plyuichi Hettori; Kelji Sakaguchi; Yoshiki Yui; Chuichi Kawai, Kyoto, Japan
- 148 ACROMEGALY AND BRONCHIAL CARCINOID: EFFECT OF REMOVAL OF THE LATTER F. Hawkins; V. Sanchez Moro; M. Aguirre; M. Leon; D. Rigopoulou; J. L. Martin de Nicholas; J. Toledo, Madrid,
- 152 TRANSBRONCHIAL NEEDLE ASPIRATION OF A BRON-CHIAL CARCINOID TUMOR
- C. Delp Givens, Jr.: John J. Marini, Neshville 154 PROLONGED CATHETERIZATION; A RARE CAUSE OF PULMONARY ATHEROMA M. Fievez; C. H. Henuzet; M. C. Rycksert, Montigniee-Le-
- Tilleul, Belgiu 155 BLOOD GAS DEFLANGEMENTS IN PULMONARY EMBO-LISM
- Michael D. Iseman, Denver; J. Brevard Hayes, Nashville Response-Krishnen Padmenabhan, Brooklyn
- 156 BREAKAGE OF ALLIGATOR FORCEPS IN TRANS-BRONCHIAL BIOPSY J. F. Masa-Jimenez; H. R. Verse-Hernendo; M. T. Martin-Egana: J. Fontan Bueso, La Coruña, Spain
- Response-S. K. Mellic, D. Behera, Chandigarh, India Additional commentary-Dov Weissberg, Holon, Israel 157 ACUTE PULMONARY FIBROSIS ASSOCIATED WITH
- RESPIRATORY FAILURE Andreas G. Nerlich, Martineriad, FRG: Michael L. Nerlich, Hannr er, FRG
 - Res: te-James F. Collins, San Antonio
- 157 USEL UNESS OF FEF25-75% AND FEF 200-1200 FOR THE GRAPHIC COMPUTATIONAL INTERPRETATION OF REPRESENTED
- P. Ibrialos: G. Ilonides: M. Choleves: G. Anogienakis; M. Apostolskie, Thessaloniki, Greece 158 THE DIAGNOSTIC YIELD OF REPEAT TRANSBRON.
- CHIAL LUNG BIOPSY Hung Che, Marion, Illinois
- 158 PROPER USE OF METERED DOSE INHALERS Karen J. Tietze, Philadelphia Response—S. P. Newman; S. W. Clarke, London, England
- Additional commentary-M. T. Newhouse; Myrna Dolovich, Hamilton, Canada; A. G. N. Agusti; P. Ussetti; J. Roca; J. M. Montserrat; R. Rodriguez-Roisin; A. Agusti Vidal, Barcelona, Spai
- 160 SELECTIVE IGA DEFICIENCY AND SARCOIDOSIS Israel Rubinstein; Gerald L. Baum; Yehuda Hiss, Tel-

NUMBER 1, JULY, 1985 SUPPLEMENT

1S SCIENTIFIC HIGHLIGHTS, ABSTRACTS OF ORIGINAL INVESTIGATIONS, REGISTRATION FORMS

NUMBER 2, AUGUST, 1985

- 163 CLINICAL VALUE OF THE GRAM-STAIN SMEAR OF I RESPIRATORY SECRETIONS Malyin R. Prattar: Richard S. Irwin, Warranter, Managehu-
- 164 PROPAFENONE
 - Michael A. Brodsky, Byron J. Allen, Irvine

165 OF WIND AND SONG

Jack L. Clausen, San Diego

167 VENTILATION-PERFUSION RELATIONSHIPS IN SYMP. TOMATIC ASTHMA; RESPONSE TO OXYGEN AND CLEMASTINE

Peter Corte: Iven H. Young, Camperdown, Australia

- 176 COMPARATIVE EFFECTS OF ORAL AND INHALED VE-RAPAMIL ON ANTIGEN-INDUCED BRONCHOCON-STRICTION
 - Tahir Ahmed; Erich Rusel; Chong S. Kim; Ignacio Danta. Mami Baach
- 181 MINIMAL EFFECT OF ALCOHOL INGESTION ON BREATHING DURING THE SLEEP OF POSTMENO-PAUSAL WOMEN
- A. Jay Block; Donald W. Hellard; Paul C. Slayton, Gainesville, Florida 185 CORONARY ARTERY BYPASS GRAFTS: INFLUENCE OF
- PREOPERATIVE RISK FACTORS ON THE LATE POSTOPERATIVE COURSE Werner Tschan; Andreas Hoffmann; Felix Burkart; Charles
- Meier; Dieter Burckhardt, Bessl, Switzerland 190 VENTRICULAR ARRHYTHMIAS DURING INSERTION AND REMOVAL OF PULMONARY ARTERY CATHETERS
- Johan Damen, Utrecht, The Netherlands 184 AEROSOL PENETRATION AND MUCOCILIARY TRANS-PORT ON THE HEALTHY HUMAN LUNG; EFFECT OF LOW SERUM THEOPHYLLINE LEVELS E. Cotromanes; T. R. Gerrity; C. S. Garrard; R. D. Harshbarger; D. B. Yeates; D. L. Kendzierski; R. V. Lourenco, Chicago
- 201 PULMONARY FUNCTION IN SINGERS AND WIND-IN-STRUMENT PLAYERS
 - Beth Schorr-Lesnick; Alvin S. Teirstein; Lee K. Brown; Albert Miller, New York
- 206 ROENTGENOGRAPHIC EVALUATION OF MEDIASTINAL NODES FOR PREOPERATIVE ASSESSMENT IN LUNG CANCER Robert J. McKenna, Jr. Herman I. Libehitz: Clifton F.
- Mountain; Marion J. McMurtrey, Houston 211 ELECTROPHYSIOLOGIC EVALUATION OF PHRENIC NERVES IN SEVERE RESPIRATORY INSUFFICIENCY REQUIRING MECHANICAL VENTILATION
- S. S. Moorthy; Omkar N. Markand; Yousuf Mahomed: John W. Brown: Indianapolis
- 215 LEFT VENTRICULAR DILATATION: PROGNOSTIC VALUE IN SEVERE LEFT VENTRICULAR DYSFUNCTION SEC-CINDARY TO CORONARY ARTERY DISEASE Pasquale F. Nestico: A-Hamid Hakki: Abdulmasaih S. Iskandrian. Philadelphia
- 221 EXPERIENCE WITH SURGERY FOR THYMOMA ASSO-CIATED WITH PURE RED BLOOD CELL APLASIA Shigefumi Fujimura; Takashi Kondo; Atsushi Yamauchi; Masashi Handa: Tasuku Nakada, Sendai, Japan
- 226 RESPIRATORY MANIFESTATIONS IN PRIMARY SJOGREN'S SYNDROME S. H. Constantopoulos; C. S. Papadimitriou; H. M. Moutsopoulos, Ioannina, Greece
- 230 PLEUROPULMONARY COMPLICATIONS OF ENTERAL TUBE FEEDINGS K. Scott Miller; James R. Tomlinson; Steven A. Sahn,
- Charleston, South Carolina 234 SUBCUTANEOUS CALCIFICATIONS MASQUERADING

778 ASSESSMENT AND MANAGEMENT OF BREATH-

84S THE OBJECTIVE MEASUREMENT OF BREATH-

91S EFFECT OF THEOPHYLLINE ON RESPIRATORY MUS-

98S A PRESUMPTIVE ROLE FOR LEUKOTRIENES IN

319 BRONCHOALVEOLAR LAVAGE FOR RESEARCH PUR-

320 SLEEP APNEA: WHEN DOES BETTER BECOME BENE-

POSES IN THE IMMUNOCOMPROMISED HOST

Michel Aubier: Charie Rousson, Montreal, Quebec, Can-

Kieran J. Killan, Hamilton, Ontario, Canada

OBSTRUCTIVE AIRWAYS DISEASES

John A. Rankin, New Have

75S INTRODUCTION

LESSNESS

LEBSNESS

CLE FUNCTION

Marvin A. Sackner, Miemi Beach

Murray D. Altose, Cleveland

- SIS Howard Jolles: A. C. Johnson: Stephen R. Ell.
 - 239 ACUTE EFFECTS OF OXYGEN TREATMENT LIBON IN. EXPRINATION PROCESSING IN HYPOYEMIC CORD PA TIENTS Dawn K. Wilson; Robert M. Kaplan; Richard M. Timms;
 - Arthur Dawson, La Jolla 244 STENOSIS OF MAIN BRONCHI MIMICKING FIXED LIFA PER AIRWAY OBSTRUCTION IN SARCOIDOSIS Albert Miller; Lee K. Brown; Alvin S. Teirstein, New York
 - 249 INTRAVENOUS DIGITAL SUBTRACTION AORTOGRA-PHY IN THE PREOPERATIVE AND POSTOPERATIVE EVALUATION OF MARIFAN'S AORTIC DISEASE Robert Detrano; Douglas S. Moodie; Carl C. Gill; Darle Markovich, Conrad Simplendorter, Cleveland
 - 254 ASBESTOSIS, PULMONARY SYMPTOMS AND FUNC-TIONAL IMPAIRMENT IN SHIPYARD WORKERS Kaye H. Kilburn; Raphael Warshaw; J. C. Thornton, Los Angeles
 - 260 PHARMACOKINETICS OF TOBRAMYCIN IN PATIENTS WITH CYSTIC FIBROSIS A. M. Horrevorts; J. E. Degener; G. Dzoljic-Danilovic; M. F. Michel; K. F. Kerrebijn; O. Driessen; J. Hermans, Leyden,
 - 265 LUPUS LUNG Larry R. Miller; S. Donald Greenberg; Jerry W. McLarty, Tvier, Texas
 - 270 PULMONARY FUNCTION MEASUREMENT IN THE IN-DUSTRIAL SETTING Moira Chan-Yeung: Stephen Lam: Donald Enerson, Vancouver Canada
 - 276 SPACER DEVICES USED WITH METERED-DOSE INHA-LERS: BREAKTHROUGH OF GIMMICK? Peter Konia, Columbia, Missouri
 - 285 DYSPNEA FEVER AND MILIARY PATTERN Victor Curuli: Ferran Morell: Joan Fort: Eugenia Espinel. Barcelona, Spain
 - 287 STRATEGY FOR THE DETECTION AND MANAGEMENT OF CORONARY ARTERY DISEASE
 - Richard W. Campbell; Morton E. Tavel, Indianapolis 292 HOW TO SURVIVE A CASE PRESENTATION
 - Howard J. Bennett, Washington, D.C. 295 OUTPATIENT DOBUTAMINE INFLISION LISING & TO-TALLY IMPLANTABLE INCUSION PLIMP FOR REFRAC-TORY CONGESTIVE HEART FAILURE Marvin Berger; Charles K. McSherry, New York
 - 297 TWO CASES OF PULMONARY WALDENSTROM'S MAC-**ROGLOBULINEMIA** Hideka Kobayashi; Kunio Ii; Kazuo Hiazawa; Toshiharu
 - Maeda, Tokushima, Japan 299 HYPOPLASTIC CORONARY ARTERIES AND HIGH TAKEOFF POSITION OF THE RIGHT CORONARY OSTIUM
 - Devid M. Menke; Bruce F. Waller; John E. Pless, Indianapolis

- AS PULMONARY LESIONS IN LONG-TERM HEMODIALY. L NOT SURGICAL MANAGEMENT OF RECURRENT SPON. TANEOUS PNEUMOTHORAX DURING PREGNANCY Sonny S. Dhalla; John M. Teskey, Winnipeg, Canada
 - 302 RADIOGRAPHIC PSEUDOFRACTURE OF BIPOLAR DACEMAKED WIDE Susan Hecht: Russell Berdoff: Andrew Van Tosh: Emanuel Goldberg, New York
 - 304 REACTIVATION OF BLEOMYCIN ILING TOXICITY FOL-LOWING OXYGEN ADMINISTRATION: A SECOND RE-SPONSE TO CORTICOSTEROIDS Allen J. Gilson; Steven A. Sahn, Charlestown, South Caro-
 - 306 ACUTE MERCURY POISONING WITH SEVERE CHRONIC PULMONARY MANIFESTATIONS Ruth Life; Albert Miller; Yehude Lerman, New York
 - 309 POLYMYDSITIC HEART DISEASE Eldad Rechevia; Zvi Rotenberg; Jacob Fuchs; Boris Strasberg, Tel Aviv, Israel
 - 312 PULMONARY A-V COMMUNICATIONS IN COPD Ralph C. Jung: Oscar J. Balchum, Los Angeles Response-Warren C. Miller; John Heard; Kenneth Unger, Webster, Texas
 - 312 ROUNDED ATELECTASIS OF PLEUROMA? W. N. Sinner, Miam
 - PSYLLIUM-A GUM, NOT A PROTEIN J. P. Alarie; M.H. Karol; W. F. Gauss, Pittsburgi
 - 313 A QUESTION OF STATISTICAL SIGNIFICANCE Om Eliasson, Balt
 - 314 CORPORATE RELATIONS? Michael J. Ansfield, Colorado Springs

Beach

- 314 CORRECTION N. K. Burki, Lexington, Kentucky Response-Teivir S. Chedha: Marvin A. Sackner, Miami
- 315 INTRACRANIAL METASTASES IN THE INITIAL STAGING OF BRONCHOGENIC CARCINOMA A. Yellin, Duarte, California
- Response—Stuart Alexander, New York 315 ACCURACY OF SIMTC GATED BLOOD POOL IMAGING Matthew Horn, San Diego
- 316 ASSESSMENT OF AIRFLOW IN SLEEP STUDIES BY ORONASAL CO2 DETECTION Tom Keener; Barbara Phillips, Lexington, Kentucky
- 316 TUBERCULDID BACILLI AND TUBERCULOIDOSIS John Francis, Brisbane; E. W. Abrahams, Queensland, Australia
- Response-Michael D. Iseman; John A. Sbarbaro, Denver 317 ANAEROBIC METABOLISM OR THE INCREASED WORK OF BREATHING?
 - Marc H. Lavietes, Ne Response-Marc Estenne; J. C. Yernault, Brussels, Bel-
- 318 RADIOTHERAPY ALONE FOR "NONOPERABILITY"? Gerald N. Olsen, Columbia, SC Additional Commentary: Ralph M. Nietrzeba, Las Vegas Response—Joel D. Cooper, Toronto

NUMBER 2. AUGUST, 1985 SUPPLEMENT

- 103S UPDATE ON THE PHARMACODYNAMICS AND PHAR-MACOKINETICS OF THEOPHYLLINE Leslie Hendeles; Marc Massanari, Gainesville, Florida; Miles Weinberger, lows City
- 112S EFFECTS OF THEOPHYLLINE ON CARDIOVASCULAR PERFORMANCE IN CHRONIC OBSTRUCTIVE PULMO-NARY DISEASE Richard A. Matthay, New Haven
- 118S THERAPEUTIC CONSIDERATIONS IN RESPIRATORY MUSCLE FUNCTION John T. Sherp, Hines, Illinois
- 124S FUNCTION AND FATIGUE OF RESPIRATORY MUS-CLES

- Charis Roussos, Montreal, Quebec, Canada
- 133S MECHANISMS OF GLUCOCORTICOID ACTION IN PUL-MONARY DISEASE Helen G. Morris, Denve
- 142S ROLE OF CALCIUM-CHANNEL BLOCKERS IN **OBSTRUCTIVE AIRWAY DISEASE** Tahir Ahmed: William M. Abraham, Miami Beach
- 1525 AEROSOL DEPOSITION CONSIDERATIONS IN INHA-LATION THERAPY Stephen P. Newman, London, England
- 161S AUXILIARY MDI/AEROSOL DELIVERY SYSTEMS Marvin A. Sackner; Chong S. Kim, Miami Beach

NUMBER 3, SEPTEMBER, 1985

- Mark H. Sanders: Robert M. Rogers, Pittsburgh 321 DIPYRIDAMOLE THALLIUM TESTING: AN ALTERNATIVE
- FORM OF STRESS TESTING IN PATIENTS UNABLE TO EXERCISE
 - Steven Reisman, Irvine, Catifornia

- 322 SMOKING CESSATION William C. Bailey, Birmingham, Alabama
- 324 TOXIC-OIL SYNDROME: EPIDEMIC WITH AN ELLISIVE **ETIOLOGY**

Edwin M. Kilbourne, Atlanta

FIT?

325 PATIENTS, CLINICIANS, AND THE SCIENCE OF IN-VESTIGATION

Alfred Soffer, Park Ridge

- 327 SMALL SOLUTE CLEARANCE FROM THE LUNGS OF PATIENTS WITH CARDIOGENIC AND NONCARDIO-GENIC PULMONARY EDEMA Gregory R. Mason; Richard M. Effros; M. J. Uszler; Ismael Mena, Torrance
- 335 RELATIONSHIP OF VENTRICULAR ECTOPY TO CIXY-HEMOGLOBIN DESATURATION IN PATIENTS WITH *OBSTRUCTIVE SLEEP APNEA* John W. Shepard, Jr; Michael W. Garrison; Debra A. Grither; Gerald F. Dolan, St. Louis
- 341 MORPHOLOGIC CHANGES IN LONG-TERM SAPHENOUS VEIN BYPASS GRAFTS James B. Atkinson: Mervyn B. Formen: William K. Vaughn: Max Robinowitz: Hugh A. McAllister: Renu Virm
- 349 SAFETY OF OUTPATIENT CARDIAC CATHETERIZATION Savid Fighali: Zvonimir Kraicer: Felice Gonzales-Camid: Mamdouch Warda; Sidney Edelman; Robert Leachman, Houston
- 352 PLEMONARY CELL POPULATIONS IN THE IMMUNO. SUPPRESSED PATIENT Dorothy A. White; Rosemary A. Gellene; Sudhir Gupta; Charlotte Cunningham-Rundles; Diane E. Stover, New York

360 CHEST PERCUSSION AND POSTURAL DRAINAGE IN PATIENTS WITH RECNICHIECTASIS Marion C. Mazzocco; Gregory R. Owens; Leslie H. Kirlloff; Robert M. Rogers, Pittsburgh

364 LUNG SOUND ANALYSIS FOR CONTINUOUS EVALUA-TION OF AIRFLOW OBSTRUCTION IN ASTHMA Robert P. Beughman; Robert G. Loudon, Cincinnati

369 SITE OF AIRFLOW OBSTRUCTION DURING EARLY AND LATE PHASE ASTHMATIC RESPONSES TO ALLERGEN BRONCHOPROVOCATION W. James Metzger; Kenneth Nugent; Hal B. Richerson, Id

376 REACTIVE AIRWAYS DYSFUNCTION SYNDROME (RADS): PERSISTENT ASTHMA SYNDROME AFTER HIGH LEVEL IRRITANT EXPOSURES

Stuart M. Brooks; Mark A. Weiss; I. L. Bernstein, Cincinnati 385 UVULOPALATOPHARYNGOPLASTY; ONE-YEAR FOL-LOWUP

W. Conwey; S. Fujita; F. Zorick; J. Sicklesteel; T. Roehrs; R. Wittig: T. Roth, Detroit

386 ENZYME-LINKED IMMUNOSORBENT ASSAY USING MYCOBACTERIUM TUBERCULOSIS ANTIGEN 5 AND PPD FOR THE SERODIAGNOSIS OF TUBERCULOSIS

Thomas M. Daniel; Sara M. Debanne; Frits van der Kuyp.

303 TREATMENT OF MALIGNANT PLEURAL EFFUSION Khaled Reshad; Kenji Inui; Yoshiki Takeuchi; Yutaka Takahashi; Shigeki Hitomi, Shimada City, Japan

398 TOXIC-OIL SYNDROME; GALLIUM-67 SCANNING AND BRONCHOALVEOLAR LAVAGE STUDIES IN PATIENTS WITH ABNORMAL LUNG FUNCTION Jose L. De la Cruz; Luis A. Oteo; Cruz López; Luis M. Curto; Carmen Burgaleta; Adolfo Campos; Antonio Sueiro, Madrid,

403 CARDIOPULMONARY RESPONSE TO INSPIRATORY PRESSURE SUPPORT DURING SPONTANEOUS VEN-TILATION VS CONVENTIONAL VENTILATION

Omar Prakash; Simon Meii, Rotterdam, The Netherlands 406 ELECTROCARDIOGRAPHIC AND VECTORCAR-DIOGRAPHIC DIAGNOSIS OF POSTERIOR WALL MYO-CARDIAL INFARCTION: SIGNIFICANCE OF THE T WAVE Isaac Eisenstein; Miguel E. Sanmarco; William L. Madrid; Ronald H. Selvester, Downey, California

417 CHANGES IN THE PULMONARY GLUCOCORTICOID RECEPTOR CONTENT IN THE COURSE OF IN-TERSTITIAL DISEASE

Paulo Hilário Nascimento Saldiva; Maria Mitzi Brentani; Cartos R. R. de Canasibo: José Otávio C. Aujer Jr. Débura Fernandes Calheros: Mércia M. Pacheco, Sao Paulo, Brazil

420 MEASUREMENT OF TIDAL BREATH BY DETERMINA-TION OF CHEST WALL VOLUME DISPLACEMENT IN PATIENTS WITH ARREOW OBSTRUCTION Charles Dadzie; Moises Simpser; Marc H. Lavietes, Newark

426 CHYLIFORM (CHOLESTEROL) PLEURAL EFFUSION Gunnar Hillerdal, Uppsala, Swed

429 MITRAL VALVE E-POINT SEPTAL SEPARATION AS AN INDICATOR OF EJECTION FRACTION IN PATIENTS WITH REVERSED SEPTAL MOTION Leonard E. Ginzton; Daniel Kulick, Torrance

432 EFFECTS OF NORADRENALINE AND ISOPROTER-ENOL ON CARDIOPULMONARY FUNCTION IN A CA-NINE MODEL OF ACUTE PULMONARY HYPERTENSION D. W. Molloy; K. Y. Lee; D. Jones; B. Penner; R. M. Prewitt, Winnipeg, Canada

436 DOES CHEST PHYSICAL THERAPY WORK? Leslie H. Kirilloff; Gregory R. Owens; Robert M. Rogers; Marion C. Mazzocco, Pittsburgh

445 ARE ACTIVE AND PASSIVE SMOKING HARMFUL? DETERMINING CAUSATION

Gordon H. Guyett: Michael T. Newhouse, Hamilton, Canada 452 ANTIARRHYTHMIC DRUG THERAPY (PART 1)

Philip J. Product. Boston

461 PUTTING YOUR FINGER ON PETECHIAE Glenn D. Goldstein; Marvin Dunn, Kanses City, Kans

463 MARFAN'S SYNOROME PRESENTING AS A TYPE III AORTIC DISSECTION Robert Kunz: Russell Valentine, Indianapolis: Comments by Hazim J. Soli, E. Stanley Crawford, Joseph S. Coselli, Houston: Reed E. Pveritz, Baltimon

488 A PSEUDOEPIDEMIC OF LEGIONELLA INFECTIONS Ross L. Ristagno: Louis D. Saravolatz. Detroi

468 METASTATIC SQUAMOUS CELL CARCINOMA TO THE HEART Gordon B. Werbel: Joseph H. Skom: David Mahlman:

Lawrence L. Michaelis, Chicago 470 PSEUDO-PSEUDO-PSEUDOTUMOR OF THE LUNG

Samuel Louie: Michael G. Corbett: Glen A. Lillington, Devis. California 471 OSTIAL LEFT MAIN STENOSIS FOLLOWING REPAIR OF

A RUPTURED SINUS OF VALSALVA ANEURYSM Neil L. Conlan: Manual R. Estinko: John A. Ambrose, New

473 PULMONARY LYMPHANGIOMYOMATORIS ASSOCI-ATED WITH TUBEROUS SCI FRORIS Carlos M. Luna; Ricardo Gené; Enrique C. Jolly; Nelly Nahmod; Héctor A. Defranchi; Guillermo Patiño; Boris Elener, Buenos Aires, Argentina

475 MASSIVE HEMOPTYSIS ASSOCIATED WITH FOREIGN BODY REMOVAL

J. Richard Rees, Salt Lake City

476 DISSECTING ANEURYSM OF THE ASCENDING AORTA WITH AORTO-CAVAL FISTULA J. B. Martinot; O. Pedemonte; P. L. Baele; J. Dautrebande; P. Jaumin: M. Goenen, Brussels, Beloiu

480 SAW-TOOTH PATTERN IN THE FLOW-VOLUME LOOP. W. Vincken, Brussels, Belgium; M. G. Coeio, Montreal, Canada Response -- Philip L. Schiffman, New Brunswick, New Jer-

481 PREVENTING PPC Bartolome R. Celli; Gordon L. Snider, Boston Response-Welter J. O'Donohue, Jr., Omeha

482 BRONCHOSCOPY IN PATIENTS WITH GASTRO-PARESIS

C. Delp Givens, Jr; James E. Loyd, Nashville 482 PHEOCHROMOCYTOMA AND ASTHMA J. Sastre: J. Azofra: A. Sastre, Madrid, Spain

NUMBER 3, SEPTEMBER, 1985 SUPPLEMENT

1715 INTRODUCTION

Gordon L. Snider, Boston

172S MEDICAL DECISIONS IN A CONTEXT OF CONFLICTS H. Tristram Engelhardt, Jr., Housto

1755 LEGAL ISSUES IN WITHHOLDING OR WITHDRAWING MEDICAL TREATMENT Leonard H. Glantz, Boston

1795 DISCUSSION

Gordon L. Snider; Roger C. Bone, Chicago; H. Tristram Engelhardt, Jr.; Leonard H. Glantz; Louise M. Nett, Denver 1835 NONBVASIVE EVALUATIONS OF HYPERTENSIVE PA-

TIENTS Jan I. M. Drayer, Long Beach, California 1875 DIAGNOSTIC IMAGING IN HYPERTENSION Emest J. Ferro, Little Ricci.

1905 MANAGEMENT OF HYPERTENSION IN PATIENTS WITH OBSTRUCTIVE AIRWAY DISEASE Ronald B. George, Shreveport

194S REVERSAL OF LEFT VENTRICULAR HYPERTROPHY BY DRUG TREATMENT OF HYPERTENSION Robert C. Schlant, Atlanta

483 LIEUTENANT OF THE MEN OF DEATH John B. Bass, Jr., Mobile, Alabama

484 ALTERATIONS OF PULMONARY EPITHELIAL PER-MEABILITY CAUSED BY SMOKING AND OTHER INJU-RIES TO THE LUNGS G. R. Mason, Torrance, California

485 OSLER-CHARCOT DISEASE; A NEW TITLE FOR AN OLD FRIEND Om P. Sharma, Los Angel

486 WILLIAM TELL AND TECHNOLOGY Peter B. Terry, Beltimore

Chicago, Illinois

487 SODIUM BICARBONATE DURING CPR; DOES IT HELP Max Harry Weil; Robert P. Trevino; Eric C. Rackow, North

488 PULMONARY FUNCTION AND VENTILATORY RE-PONSE TO CHEMICAL STIMULI IN FAMILIAL MYOPATHY Tzong R. Weng; Gery E. Schultz; Chung H. Cheng; Michael A. Nigro. Pittsburgh

NUMBER 4, OCTOBER, 1985

496 HEMODYNAMIC AND MYOCARDIAL METABOLIC CON-SEQUENCES OF PEEP Jacques G. Tittley; Stephen E. Fremes; Richard D. Weisel; George T. Christakis; Peter J. Evens; Mindy Madonik; Joan

Ivanov; Sallie J. Teasdale; Donald A. G. Mickle; Peter R. McLaughlin, Toronto, Canada 503 ASSISTED VENTILATION IN PATIENTS WITH PREEXIST-ING CARDIOPULMONARY DISEASE W. D. N. Chin; H. W. Cheung; A. A. Driedger; D. G.

Cunningham; W. J. Sibbald, London, Canada 512 VENTILATORY AND METABOLIC EFFECTS OF **GLUCOSE INFLISIONS**

Jorge L. Rodriguez; Jeffrey Askanazi; Charles We Terry W. Hensle; Stanley H. Rosenbaum; John M. Kinney,

519 INSPIRATORY WORK AND AIRWAY PRESSURE WITH CONTINUOUS POSITIVE AIRWAY PRESSURE DELIV-Jeffrey A. Katz; Roger W. Kraemer; G. Eric Gjerde, San

527 BELIABILITY OF THE BRONCHOSCOPIC PROTECTED CATHETER BRUSH IN INTUBATED AND VENTILATED PATIENTS

D. Villers; M. Derriennic; F. Raffi; P. Germaud; D. Baron; F. Nicolas: A. L. Courtieu, Nantes, France

531 SOME SHORT-TERM EFFECTS OF CHANGING TO LOWER VIELD CIGARETTES Berbara D. Minty: David Royston; J. Gareth Jones, Middiesex. England

837 CARDIAC ARRHYTHMIAS IN PATIENTS WITH MILD-TO-MODERATE OBSTRUCTIVE LUNG DISEASE Thor-Björn Conradson; Göran Ekkundh; Bertil Olofsson; Olle Pahlm: Gunnar Persson, Lund, Sweden

543 ABNORMAL SEPTAL O WAVES IN SICKLE CELL DIS-EASE

Scott M. Lippman; James T. Niemann; Timothy Thigpen; Legnard E. Ginzton, Michael M. Laks, Torrance, Califo 549 TRANSBRONCHIAL BIOPSY IN THE THROM-

BOCYTOPENIC PATIENT

Thomas A. Papin; Joseph P. Lynch III; John G. Weg, Ann Artes

- 553 THE RELATIONSHIP BETWEEN FUNCTIONAL CLASS AND CARDIAC PERFORMANCE IN PATIENTS WITH CHRONIC ADRITIC INSUFFICIENCY Charles H. Karan; Barry H. Greenberg; Shahbudin H. Rahimtoola, Portland, Oregon
- 558 INCREASE IN PAO, FOLLOWING INTRAVENOUS AD-MINISTRATION OF PROPRANCIOL IN ACUTELY HYPO-XEMIC PATIENTS Jean-Louis Vincent; Hervé Lignian; Jean-Bernard Gillet;
- Jacques Berre; Efisio Contu, Brussels, Belgium 543 EARLY NEUTROPHIL ALVEOLITIS AFTER ANTIGEN IN-HALATION IN HYPERSENSITIVITY PNEUMONITIS E. Fournier; A. B. Tonnel; Ph. Goeset; B. Wallaert; J. C. Ameisen; C. Volein, Lille, France
- 567 COMPLICATIONS OF RIGHT HEART CATHETERIZATION Alfred H. Connors, Jr; Robert J. Castele; Naim Z. Farhat; Joseph F. Tomashefski, Jr. Cleveland
- 573 TRANSBRONCHIAL FINE NEEDLE ASPIRATION OF BRONCHOGENIC CYSTS Douglas B. Schwertz; Ted F. Beals; Kathryn J. Wimbish;
- Jeffrey R. Hammersley, Ann Arbor 576 ORAL SUSTAINED-RELEASE AMINOPHYLLINE AND BRONCHODILATOR RESPONSE TO INHALED FENOTEROL IN PATIENTS WITH CHRONIC AIRFLOW
 - OBSTRUCTION Giuseppe Carpentiere; Salvatore Marino; Francesco Castello; Paolo Zarcone; Giacomo Cipolla; Carmela Baldanza, Palermo, Italy
- 579 LYMPHOCYTE SUBPOPULATIONS OF BLOOD AND ALVEDIAR LAVAGE IN BLASTOMYCOSIS Bichard F. Jacobs: Daniel J. Marmer: Robert A. Rafic Robert W. Bradsher, Little Rock

- 586 BRONCHIAL CHALLENGE WITH ROOM TEMPERATURE ISOCAPNIC HYPERVENTILATION Steven M. Scharf: Dov Haimer: Maria Walters, Beersha
- 584 REDUCED BETA, ADRENOCEPTOR RESPON-SIVENESS IN EXERCISE-INDUCED ASTHMA Ame Martinsson: Kiell Larsson: Paul Hiemdahl, Stor
- 801 THE UNCERTAIN ROLE OF THE NEUTROPHIL IN IN-CREASED PERMEABILITY PULMONARY EDEMA
- Frederick L. Glauser; R. Paul Fairman, Richmond, Virgin 808 CHRONIC AIRFLOW LIMITATION: IT'S RELATIONSHIP TO WORK ON DUSTY OCCUPATIONS
- Margaret R. Beckleise, Johannesburg, South Africa 618 ANTIARRHYTHMIC DRUG THERAPY (PART 2) Philip J. Podrid, Boston
- 825 RAPIDLY CAVITATING NODULES IN A YOUNG MAN Joseph C. Koval; Michael F. Tenholder; and S. S. Derderian. Washington, D.C.
- **627 KEEPING ABREAST OF CLUBBING** Glenn D. Goldstein; Marvin Dunn, Kansas City, Kansas
- R29 IS THE STEPPED CARE APPROACH TO THE MANAGE. MENT OF HYPERTENSION STILL APPROPRIATE? Marvin Moser, White Plains, New York
- 630 AMIODABONE PUI MONARY TOXICITY William J. Martin II: Michael J. Osborn: William W. Douglas. Rochester, Minnesota
- 631 PNEUMOCYSTIS PNEUMONIA INCREASES THE CLEARANCE RATE OF INHALED SOMTC DTPA FROM LUNG TO BLOOD
- D. K. Jones; T. W. Higenbottam, Cambridgeshire, England 633 AN UNUSUAL ECHOCARDIOGRAPHIC FINDING IN A FILIPTURED SINUS OF VALSALVA ANEURYSM
- Richard J. Coralli: William J. Olmsted: Joel M. Feiner, Atta 635 ENDOSCOPIC TREATMENT OF A WHISTLING MIDDLE-

LOBE BRONCHUS

- C. J. W. Hirschler-Schulte; P. E. Postmus; J. J. M. van Overbook, Groningen, The Netherlands
- RIM LEFT INNOMINATE VEIN STENOSIS AS A LATE COMPLI-CATION OF CENTRAL VEIN CATHETERIZATION V. Fourestie; R. Bodeau; J. L. Lejonc; A. Schaeffer, Creteil, France
- 636 UPPER AIRWAY OBSTRUCTION SECONDARY TO AC-QUIRED IMMUNODEFICIENCY SYNDROME-RELATED KAPOSI'S SARCOMA Jeffrey E. Greenberg: Margaret A. Fischi: Joseph R. Berner.
- 640 FAILURE OF KETOCONAZOLE IN AN IMMUNOSUP-PRESSED PATIENT WITH PULMONARY BLASTO-**MYCOSIS** Nelson B. Greene: Robert P. Bauchman: C. Kurtis Kim:
- Gary & Roselle Cincinnati 642 RISKS AND BENEFITS OF PERITONEAL DIALYSIS D. G. Oreopoulos: A. S. Rebuck, Toronto, Canada Response-James F. Winchester, Washington, DC
- 643 PULMONARY EDEMA AND UPPER AIRWAY OBSTRUC-TICIN J. F. Mass-Jimenez; H. R. Veres-Hernando; L. Dominguez-Juncal; J. M. Fontan-Bueso, La Coruña, Spain Response-S. Solar: J. Bar-Ziv: S. Scharf. West Roubury. MA
- 643 ISOXSUPRINE AND PULMONARY EDEMA Ernest L. Fallen; Vivian Rambiner, Toronto, Canada Response-Edilberto Gozo, Jr., Cebu City, Philippine
- **644 VENTRICULAR TACHYCARDIA-LIKE COMPLEXES IN ACUTE MYOCARDIAL INFARCTION** John E. Madias, Elmhurst, New York Response-Thomas J. Quinn, Chicago

- 1985 THE PULMONARY CIRCULATION CONFERENCES E. Kenneth Weir, Minneapolis: han McMurtry: John T. Regues Decuer
- 2005 PULMONAR! VASCULAR SMOOTH MUSCLE AND ITS INTERACTION WITH ENDOTHELIUM C. A. Wagenvoort: K. P. Dingemans, Amsterdam, The Netherlands
- 203S RELEVANCE OF ENDOTHELIAL SURFACE STRUC-TUBE TO THE ACTIVITY OF VASOACTIVE SUB-STANCES
- Una S. Ryan; James W. Ryan, Miami 207S PEPTIDES. ENDOTHELIUM. AND PULMONARY VASCULAR REACTIVITY
- Sami I. Said, Oklahoma City 210S INTERACTIONS OF ENDOTHELIAL CELLS AND SMOOTH MUSCLE CELLS OF ARTERIES Robert F. Furchgott; William Martin, Brooklyn
- 213S EFFECTS OF ENDOTHELIAL CELL INJURY ON PUL MONARY VASCULAR REACTIVITY Sharon Rounds; Harrison W. Farber; Nicholas S. Hill; Richard F. O'Brien, Boston
- 216S ENDOTHELIAL FUNCTION IN CLINICAL PULMONARY HYPERTENSION Robyn J. Barst; S. Alex Stalcup, New York SESSION 2
- 220S CALCRUM KINETICS IN VASCULAR SMOOTH MUSCLE George B. Weiss, Summit, New Jersey

NUMBER 4, OCTOBER, 1985 SUPPLEMENT

- 223S SMOOTH MUSCLE CONTRACTILITY; EFFECTS OF HYPOXIA N. L. Stephens: G. Morgan: C. S. Packer: S. K. Kong.
- Winnipeg, Canada 2298 EFFECT OF OXYGEN CONCENTRATION ON CELLULAR METABOLISM
- David F. Wilson, Maria Empiretica, Philade 233S A MEMBRANE ELECTRICAL MECHANISM FOR HYPO-XIC VASOCONSTRICTION OF SMALL PULMONARY ARTERIES FROM CAT
 - David R. Harder; Jane A. Madden; Christopher Dawson, Milwaukee and Wood, Wisconsin
- SESSION 3 235S THE SITE AND MECHANISM OF DXYGEN SENSING FOR THE PULMONARY VESSELS
- Charles A. Hales, Boston 2408 THE SITE OF HYPOXIC PULMONARY VASO-CONSTRICTION
- Norman C. Staub, San Francisco 245S POTENTIAL ROLE OF ARACHIDONIC ACID METABO-LITES IN HYPOXIC PULMONARY VASOCONSTRIC-TION
- N. Voelkel; M. Morganroth; O. C. Feddersen, Dem 249S REDOX STATUS AND PULMONARY VASCULAR REAC-
- E. Kenneth Weir: John W. Eston: Elliot Chesler Minneapo-
- 252S PROSTAGLANDINS AND ESTRADIOL-INDUCED AT-

- TENUATION OF HYPOXIC PULMONARY VASOCON-STRICTION
- J. T. Sylvaster: J. B. Gordon: R. L. Malamet: R. C. Wetzel. Baltimore
- SESSION 4 2555 PULMONARY GAS EXCHANGE AND EXERCISE PER-FORMANCE IN PULLMONARY HYPERTENSION David R. Dantzker: Gilbert E. D'Alonzo, Houston
- 257S CALCIUM CHANNEL BLOCKERS IN PRIMARY PULMO-NARY HYPERTENSION Lawis J. Rubin Daliss
- 260S THE USE OF CALCIUM CHANNEL BLOCKERS IN HY-POXIC LUNG DISEASE John R. Michael; Stephen Selinger; William Parham; Philip
- Buescher; Dean Wong; Thomas P. Kennedy, Baltimore 2835 THE ROLE OF VASODILATORS IN PATIENTS WITH PROGRESSIVE SYSTEMIC SCLEROSIS J. Ohar; C. Polatty; A. Robichaud; B. Fowler; G. Vetro
- F. Glauser, Richmond, Virginia 2655 DOES PULMONARY VASOCONSTRICTION PLAY AN IMPORTANT ROLE IN PATIENTS WITH PRIMARY PUL-MONARY HYPERTENSION?
- Milton Packer, New York 2685 VASOCONSTRICTION AND REMODELING IN PULMO-NARY HYPERTENSION
- Barbara Meyrick; Kenneth L. Brigham, Nashville 2715 FINAL DISCUSSION
- E. Kenneth Weir, Minneapolis

NUMBER 5, NOVEMBER, 1985

- 645 PARTIAL EXPIRATORY FLOW-VOLUME CURVE; CLINICAL WORKHORSE OR INVESTIGATIVE TOOL? Mark J. Utell; Richard W. Hyde, Rochester, New York
- 646 PATHOGENETIC DETERMINANTS OF ISCHEMIC HEART DISEASE John E. Madias, Elmhurst, New York
- 647 THE TECHNIQUE OF CATHETER ABLATION OF CAR-DIAC ARRHYTHMIAS
- Ruey J. Sung, San Francisco 649 EVALUATION OF PORTABLE CHEST ROENT-**GENOGRAM FOR QUANTITATING EXTRAVASCULAR**
- LUNG WATER IN CRITICALLY ILL ADULTS Bruce D. Halperin; Thomas W. Feeley; Frederick G. Mihm; Caroline Chiles: Diana F. Guthaner; Norman E. Blank, Stanford
- 653 INFLUENCE OF LUNG AND CHEST WALL COMPLI-ANCES ON TRANSMISSION OF AIRWAY PRESSURE TO THE PLEURAL SPACE IN CRITICALLY ILL PATIENTS Francois Jardin; Bruno Genevray; Dominique Brun-Ney; Jean-Pierre Bourdarias, Boulogne, France
- 659 NONBRONCHOSCOPIC BRONCHOALVEOLAR LAVAGE FOR THE DIAGNOSIS OF PNEUMOCYSTIS CARINII
- PNEUMONIA IN THE ACQUIRED IMMUNODEFICIENCY SYNDROME
- George Caughey; Hofer Wong; Gordon Gamsu; Jeffrey Golden, San Francisco MAS CONSERVATION OF OXYGEN SUPPLY USING A RESER-
- VOIR NASAL CANNULA IN HYPOXEMIC PATIENTS AT REST AND DURING EXERCISE Michael Soffer; Donald P. Taehkin; Bertrand J. Shapiro; Michael Littner; Ellish Harvey; Susan Farr, Los Angeles and

- TILATORY AND NONVENTILATORY MUSCLES IN PUL-MONARY REHABILITATION
- Michael B. Zack; Angela V. Palange, Malden, Massachus
- 676 CATHETER TECHNIQUE FOR ELECTRICAL ABLATION OF THE ATRIOVENTRICULAR CONDUCTION SYSTEM H. Ector: G. Holypet: E. Witters: P. Ferdinande: H. De Geest. Leuren, Belgium
- 660 ETIOLOGY AND PREVENTION OF TOPICAL CARDIAC HYPOTHERMIA-INDUCED PHRENIC NERVE INJURY AND LEFT LOWER LORE ATELECTASIS DURING CAR. DIAC SURGERY

William E. Wheeler; Lorrains J. Rubis; Charles W. Jones; J. D. Harrah, Huntington, West Virginis

- 664 OMENTAL TRANSPOSITION FOR CLOSURE OF ME-DIAN STERNOTOMY FOLLOWING SEVERE MEDI-ASTINAL AND VASCULAR INFECTION J. R. Seguin; D. Y. Loisance, Creteil, France
- 687 DAILY VS ALTERNATE DAY PREDNISONE THERAPY FOR STAGE II SARCOIDOSIS L. Spratting; M. F. Tenholder; G. H. Underwood; B. L. Feaster; R. K. Requa
- 691 EFFICACY OF CHEST RADIOGRAPHY IN A RESPIRA-TORY INTENSIVE CARE UNIT William B. Bekemeyer; Robert O. Crapo; Stephen Calhoon; Clawson Y. Cannon; Paul D. Clayton
- 097 PARTIAL AND MAXIMAL EXPIRATORY FLOW-VOLUME CURVES IN NORMAL AND ASTHMATIC SUBJECTS BE-FORE AND AFTER INHALATION OF METAPROTERENOL Richard B. Berry; Ronald D. Fairshter, Irvine, California
- 703 SPONTANEOUS PNEUMOTHORAX FOLLOWING THOR-ACIC IRRADIATION Eric K. Rowinsky; Martin D. Abeloff; Moody D. Wharam,
- 709 SPONTANEOUS PNEUMOTHORAX: A COMPLICATION OF LUNG CANCER?
- C. A. Steinhäuslin; J. F. Cuttat, Lausanne, Switzerland
- 714 THE EFFECT OF POSITIONAL CHANGES ON OXY-GENATION IN PATIENTS WITH PLEURAL EFFUSIONS Sara R. Neagley; Clifford W. Zwillich, Hershey, Pennsylvania
- 718 EFFECT OF STEROID THERAPY ON EXERCISE PER-FORMANCE IN PATIENTS WITH IRREVERSIBLE CHRONIC OBSTRUCTIVE PULMONARY DISEASE Daniel S. Strain; Gary T. Kinasewitz; David P. Franco; Ronald B. George, Shreveport
- 722 TWO-DIMENSIONAL ECHOCARDIOGRAPHY USING A SUBCOSTAL APPROACH IN PATIENTS WITH COPD G. Zenker: G. Forche: K. Hamoncourt, Graz. Austria
- 726 TUBERCULOSIS: CAUSE OF DEATH IN ANTIBIOTIC ERA Charles E. Davis, Jr; John L. Carpenter; C. Kenneth

- McAtlister; Joseph Matthews; Bruce A. Bush; André J. Conihene Sen Antonio
- 730 ASSESTOSIS: BRONCHOALVEOLAR LAVAGE FLUID PROTEINS AND THEIR RELATIONSHIP TO PULMO-NARY EPITHELIAL PERMEABILITY A. R. Gellert; D. Perry; J. A. Langford; P. G. Riches; R. M. Rudd, London, England
- 736 DIAPHRAGMATIC STRENGTH DURING WEANING FROM MECHANICAL VENTILATION
- Morris A. Swartz: Paul I. Marino, Philadelphia
- 740 COBALT-INDUCED BRONCHIAL ASTHMA IN DIAMOND POLISHERS Bernard Gheysens; Johan Auwerx; André Van den Eackhout: Maurits Demedts, Leuven, Belgium
- 745 UNUSUAL CARDIAC COMPLICATIONS OF WEGENER'S GRANUI OMATOSIS

William A. Schlavone; Muzaffar Ahmad; Stephen A. Ockner,

- 749 PROLONGED TOXICITY POLLOWING MASSIVE INGES-TION OF SUSTAINED-RELEASE THEOPHYLLINE PREP. ADATION Bruce C. Corser; Charles Youngs; Robert P. Baughman, Circonnut
- 751 THE NEW UNDERSTANDING OF THE DRUG HEPARIN Louis B. Jaques, Saskatoon, Canada
- 755 HEPARIN: APPLICATIONS AND FUTURE PROSPECTS Donald Quick; Arthur A. Trowbridge, Temple, Texas
- 756 PNEUMOCYSTIS CARINII PNEUMONIA IN THE PATIENT WITH AIDS J. R. Catterall; I. Potasman; J. S. Remington, Palo Alto
- 763 EVIDENCE FOR ADENOSINE TRIPHOSPHATE DEGRA-DATION IN CRITICALLY ILL PATIENTS Cyril M. Grum: Richard H. Simon: David R. Dantzker: Irvino. H. Fox, Ann Arbor
- 768 "ESCAPE-REENTRY-CAPTURE" TRIGEMINY
- Chen Wan-chun; Zeng Zhao-rui; Xu Hui-li, Shanghai, China 771 FAILURE TO APPRECIATE IMPLICATIONS OF EFFECTS OF COLD IN EXERTIONAL ANGINA PECTORIS
- 773 PROGRESSIVE DYSPNEA AND STRIDOR IN AN EL-DERLY WOMAN

Patrick A. Burch; Basil Varkey, Milwaukee

Mark D. Altschule, Boston

- 776 SLEEP APNEA IN NORMAL SUBJECTS FOLLOWING MANDIBULAR OSTEOTOMY WITH RETRUSION Christian Guilleminault: Robert Riley: Nelson Powell, Stan-
- 779 POSTOPERATIVE ANALGESIA FOLLOWING THOR-ACOTOMY David L. Brown, Lackland AFB, Times

780 CONTROL OF HYPERTENSION WITH NIFEDIPINE IN

- THE SETTING OF ADATIC DISSECTION Steven R. White; Jesse B. Hall, Chicago
- 782 CONCOMITANT PULMONARY AND CEREBRAL AR-TERIOVENOUS FISTULAE James W. Blatchford, III; R. Morton Bolmen, III; David W.
- Hunter; Kurt Ampletz, Minneapolis 784 DETECTION OF RIGHT-TO-LEFT SHUNT WITH RADI-
- ONUCLIDE ANGIOCARDIOGRAPHY IN REFRACTORY HYPOXEMIA Zarrin Salimi; Jeffrey Thomasson; Wenzel Vas; Ali Salimi, St. Louis
- 787 CONCOMITANT PULMONARY THROMBOEMBOLISM AND METALLIC MERCURY EMBOLISM Martin G. Stahl; H. William Bonekat; John W. Shigeoka, Salt
- Lake City 789 SURGICAL MANAGEMENT OF CARCINOID HEART DIS-FARE
 - Verdi J. DiSeea; Roger M. Mills, Jr; John J. Collins, Jr, Boston and Worceste
- 792 SUCCESSFUL NONSURGICAL TREATMENT OF TU-BERCULOUS EMPYEMA IN AN IRREDUCIBLE PLEURAL SPACE
- Robert E. Neihart; David G. Hof, Kansas City, Miss 794 DIAGNOSIS OF WEGENER'S GRANULOMATOSIS BY TRANSBRONCHIAL BIOPSY C. Delp Givens, Jr; John H. Newman; Thomas L. McCurley,
- 797 BRONCHOALVEOLAR T-CELL SUBSETS IN THE AC-QUIRED IMMUNODEFICIENCY SYNDROME Ph. Humbert; J. C. Dalphim; H. Mallet; J. L. Dupond; A. Depierre, Besuncon, France
- 797 INSPIRATORY AND EXPIRATORY VITAL CAPACITY Rafael Peset Reig; Thomas van der Mark, Groningen, The Netherlands
- 796 LOSS OF FIBEROPTIC LASER TIP Atul C. Mehta; Joseph A. Golish; Douglas R. Livingston,
- 798 HYPERVENTILATION AND CEREBRAL PROTECTION Richard A. Reid, Jacksonville, Fiorida Response-John E. McGillicuddy, Ann Arboi
- 799 REPRODUCTION OF ORIGINAL SCIENTIFIC AND EDU-CATIONAL MATERIAL David M. Spodick, Worpester, MA
- 790 ASSISTED MECHANICAL VENTILATION WITH THE SERVO VENTILATOR

Philip A. Tomasello; Judith A. Culpper; Michael J. Buran, Pittsburgh

Response-John J. Marini; John S. Capps; Bruce H. Culver, Nashvile

NUMBER 6, DECEMBER, 1985

- 801 BETA-ADRENERGIC BLOCKERS IN THE HYPERTEN-
 - J. D. Wallin, New Orleans
- 802 LESS HAZARDOUS CIGARETTES AND DISEASES OF THE LUNG Jonathan M. Sarnet, Albuquerque
- 803 TREATMENT OF PNEUMOTHORAX WITH IN-TRAPLEURAL TETRACYCLINE Larry W. Stephenson, Philadelphia
- 804 ABLATION BY TRANSCATHETER SHOCK; CURRENT STATUS
- John J. Gallagher, Charlotte, North Carolina 806 COST EFFECTIVE OR QUALITY CARE: WHICH SHALL IT BE?
- Alfred Soffer, Park Ridge, Illinois 808 THE WORLD IS OUR CLASSROOM
- 810 HIGH DOSE RATE INTRALUMINAL IRRADIATION IN RE-CURRENT ENDOBRONCHIAL CARCINOMA Stephen L. Seagren; James H. Harrell; Richard A. Horn, San Diego
- 815 COMPARISON OF THE EFFECTS OF LABETALOL AND HYDROCHLOROTHIAZIDE ON THE VENTILATORY FUNCTION OF HYPERTENSIVE PATIENTS WITH ASTHMA AND PROPRANOLOL SENSITIVITY R. B. George; R. W. Light; L. D. Hudson; S. A. Conrad; K. Chetty; K. Manocha; J. G. Burford

- 819 DIAGNOSTIC VALUE OF VENTILATION-PERFUSION LUNG SCANNING IN PATIENTS WITH SUSPECTED PUL-MONARY EMBOLISM
 - Russell D. Hull; Jack Hirsh; Cedric J. Carter; Gary E. Raskob; Gerald J. Gill; Richard M. Jay; Jacques R. Leclerc; Michelle Davis; Geoffrey Coates, Hamilton, Canada
- 829 HYPOXEMIA IN ACUTE PULMONARY EMBOLISM Yann Huet; François Lemaire; Christian Brun-Buiss William A. Knaus; Bernard Telessire; Didler Payen; Didler Mathieu, Creteil, France
- 837 TRENDS AND RESULTS IN TRICUSPID VALVE SUR-GERY John M. Kratz; Fred A. Crawford, Jr; Martha R. Stroud;
 - Douglas C. Appleby, Jr. Kenneth H. Hanger, Charleston, South Carolina
- 841 INDIRECT MEASUREMENT OF INFARCT SIZE: COR-RELATIVE VARIABILITY OF ENZYME, RADIONUCLEAR ANGIOGRAPHIC AND BODY-SURFACE-MAP VARIA-BLES IN 34 PATIENTS DURING THE ACUTE PHASE OF FIRST MYOCARDIAL INFARCTION
 - David D. McPherson; B. Milan Horacek; C. Anne Spencer; David E. Johnstone: Lucille D. Lalonde: Charman L. Cousins: Terrance J. Montague, Halifex, Canada
- 849 RESPIRATORY EFFECTS IN RELATION TO ESTIMATED TAR EXPOSURE FROM CURRENT AND CUMULATIVE CIGARETTE CONSUMPTION

- Paolo Paoletti; Anthony E. Camilli; Cetharine J. Holberg; Michael D. Lethowitz, Tucson
- 856 EFFECT OF BRONCHIAL LAVAGE VOLUME ON CELLULAR AND PROTEIN RECOVERY Stephen Lam; Jean C. Leriche; Karin Kijek; Don Phillips, Vancouver, Canada
- 860 FLEXIBLE TRANSBRONCHIAL NEEDLE ASPIRATION BI-OPSY FOR HISTOLOGIC SPECIMENS Ko Pen Wang, Baltimore
- 864 QUANTITATIVE CYTOCHEMICAL DIFFERENCES BE-TWEEN YOUNG AND OLD PATIENTS WITH LUNG CAN-Mino-Shyan Huano: Harubumi Kato: Chimori Konaka; Katsuaki Nishimiya; Kazuo Yoneyama; Norihiko Kawate; Hideyo
- Katsunuma; Yoshihiro Hayata, Tokyo and Toyama, Japa 870 FATE OF TRICUSPID REGURGITATION AFTER CLOSED VALVOTOMY FOR MITRAL STENOSIS
- Mohamed Z, Shefie: Nasser Hayst; Osama A. Majid, Kuwalt 874 VALUE BASED INTERPRETATION OF PULMONARY FUNCTION TESTS
- Philip Herber, Los Angeles
- 878 HEPARIN-INDUCED THROMBOCYTOPENIA; WHAT IS ITS REAL FREQUENCY? Jack E. Ansell; Janet M. Price; Surendra Shah; R. Randolph Beckner, Worcester, Mean
- 883 SUDDEN DEATH AFTER CATHETER-INDUCED ATRIO-

VENTRICULAR JUNCTIONAL ABLATION

Saroja Bharati; Melvin M. Scheinmann; Fred Morady; David S. Hess; Maurice Lev

- BIJO TRANSCUTANEOUS OXYGEN AND CARBON DICXIDE MONITORING IN SICK MEDNATES USING A COMBINED SENSOR Rama Bhat; Javier Diax-Bianco; Urmila Chaudhry; D. Vid-
- yimagar, Chicago 896 DR. DESIDERIO GROSS AND HIS FLICKERING CANDLE FLAME
- Mark D. Altschule, Boston
- 897 THE CASE OF THE MOVING INTRATHORACIC MASS Michael L. Lewis; David A. Horak; Alon Yellin; Arnold Rotter; Michael J. Belman; John R. Benfield, Duarte, California
- 899 RECOMMENDATIONS FOR ACCREDITATION OF CAR-DIOPULMONARY SLEEP CENTERS Benefit of an Ad Hoc ACCP Committee
- 900 PULMONARY CXYGEN TOXICITY
- Robert M. Jackson, Birmingham, Alabama
- 806 LEFT ATRIAL MASS; THROMBUS MIMICKING MYXOMA James L. Knstzo; Robert W. Peters; Gary D. Piotnios; Nathan H. Carliner; William A. Baumgariner; Michael L. Fisher, Ballimore
- 908 PULMONARY MICROVASCULAR CYTOLOGY: A NEW

- DIAGNOSTIC APPLICATION OF THE PULMONARY ARTERY CATHETER
- Richard G. Masson; Joseph Ruggieri, Framingham and Roston
- 915 HIRSUITISM: 'ASSESSING HAIR-RAISING TOPICS' Glenn D. Goldstein; Marvin Dunn, Kansas City, Kansas 917 BLDODY ASCITES IN SARCOIDOSIS
- James E. Wheeler; Nancy S. Rosenthal, Philadelphia 918 SPONTANEOUS ANEURYSM OF A PATENT DUCTUS ARTERIOSUS IN AN ELDERLY PATIENT
- J. Taylor Hays, Nashville 920 MARKED SUPPRESSION OF VENTILATION WHILE AWAKE FOLLOWING MASSIVE INGESTION OF
- ATENOLOL

 A. Bruce Montgomery; Marie A. Stager; Robert S. Schoene,
- 922 TWO-DIMENSIONAL AND DOPPLER ECHOCAR-DIOGRAPHY IN THE EVALUATION OF PENETRATING CARDIAC INJURY
 - Steven S. Jacoby; Linda D. Gilfam; Natesa G. Pandian; Arthur E. Weyman, Boston
- 925 SYMPTOMATIC SOLITARY GRANULAR CELL TUMOR OF THE TRACHEA
 - Seth Thaller; Marvin P. Fried; Max L. Goodman, Boston

- 928 ACUTE POSTEROINFERIOR WALL MYOCARDIAL IN-FARCTION SECONDARY TO FOOTBALL CHEST TRAINA
 - Rafael Espinosa; Elias Badui; Rodolfo Castano; Rosalba Madrid, Mexico City, Mexico
- 930 RETROCRURAL CYSTIC LYMPHANGIOMA Sadayuki Murayama, Hiroshima, Japan
- 831 ATRIAL ARRHYTHMIAS EXACERBATED BY THE-OPHYLLINE; RESPONSE TO VERAPAMIL AND EVI-DENCE FOR TRIGGERED ACTIVITY IN MAN
- Francis E. Marchlinski; John M. Miller, Philadelphia 935 VIRULENT COURSE OF BACTERIAL PNEUMONIA IN A MALE HOMOSEXUAL Robert A. Promisioti; Gregory S. Lenchner, Philadelphia
- 935 AERO-BID INHALERS
- Bernhard A. Votteri; Cindy Burt, Redwood City, California 936 COMBINATION OF FLOW CYTOMETRY AND TRANS-BRONCHIAL NEEDLE ASPIRATION IN THE DIAGNOSIS OF MEDIASTINAL LYMPHOMA
- L. Ketai; J. Cheuncey; R. Duque, Ann Arbor
- 937 AUTHOR INDEX, VOLUME 88 (JULY-DECEMBER, 1985)
- 941 SUBJECT INDEX, VOLUME 68 (JULY-DECEMBER, 1985)

